

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P943553

Luminaire Tested: **GALN-SB8A-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32243 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

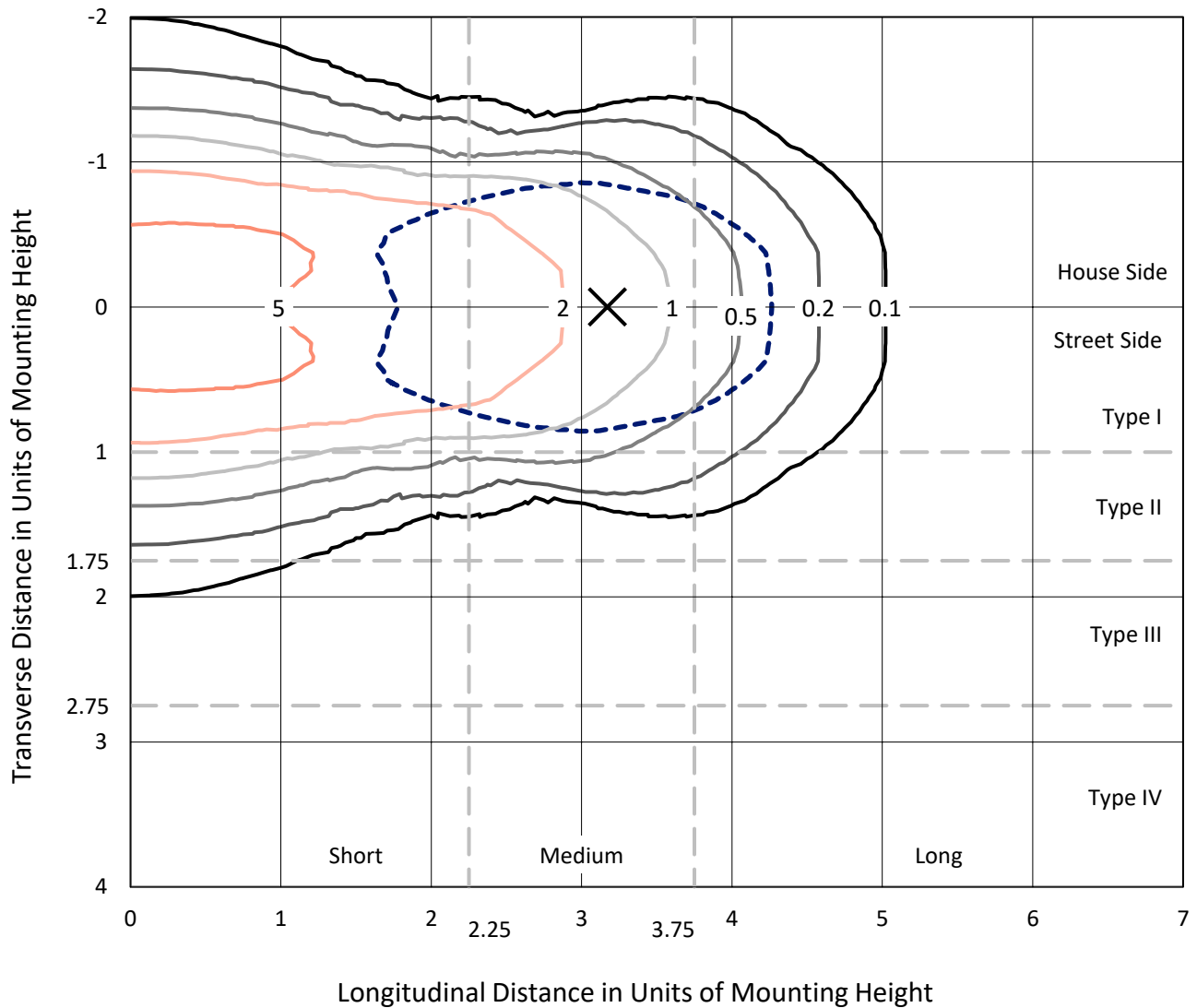
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943553
 CATALOG NUMBER: GALN-SB8A-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

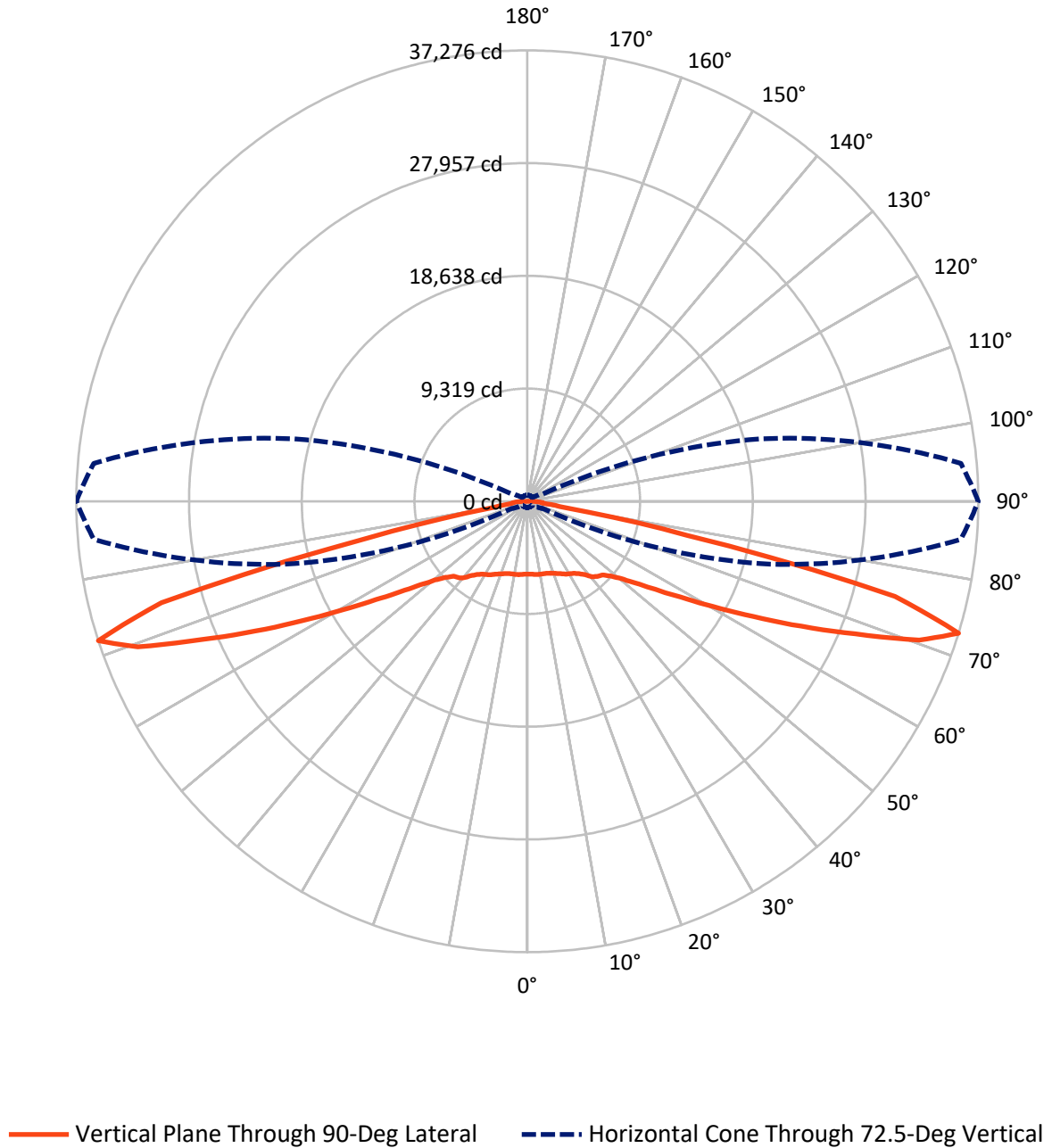
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type I - Short - N/A

REPORT NUMBER: P943553
CATALOG NUMBER: GALN-SB8A-830-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P943553
 CATALOG NUMBER: GALN-SB8A-830-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16121.5	0.0	16121.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16121.5	0.0	16121.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32243.0	0.0	32243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.2	1.8
10°-20°	1786.2	5.5
20°-30°	2978.4	9.2
30°-40°	4096.2	12.7
40°-50°	5002.5	15.5
50°-60°	5786.0	17.9
60°-70°	6898.8	21.4
70°-80°	4814.9	14.9
80°-90°	295.7	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	32243.0	100.0
0°-180°	32243.0	100.0

Coefficient of Utilization



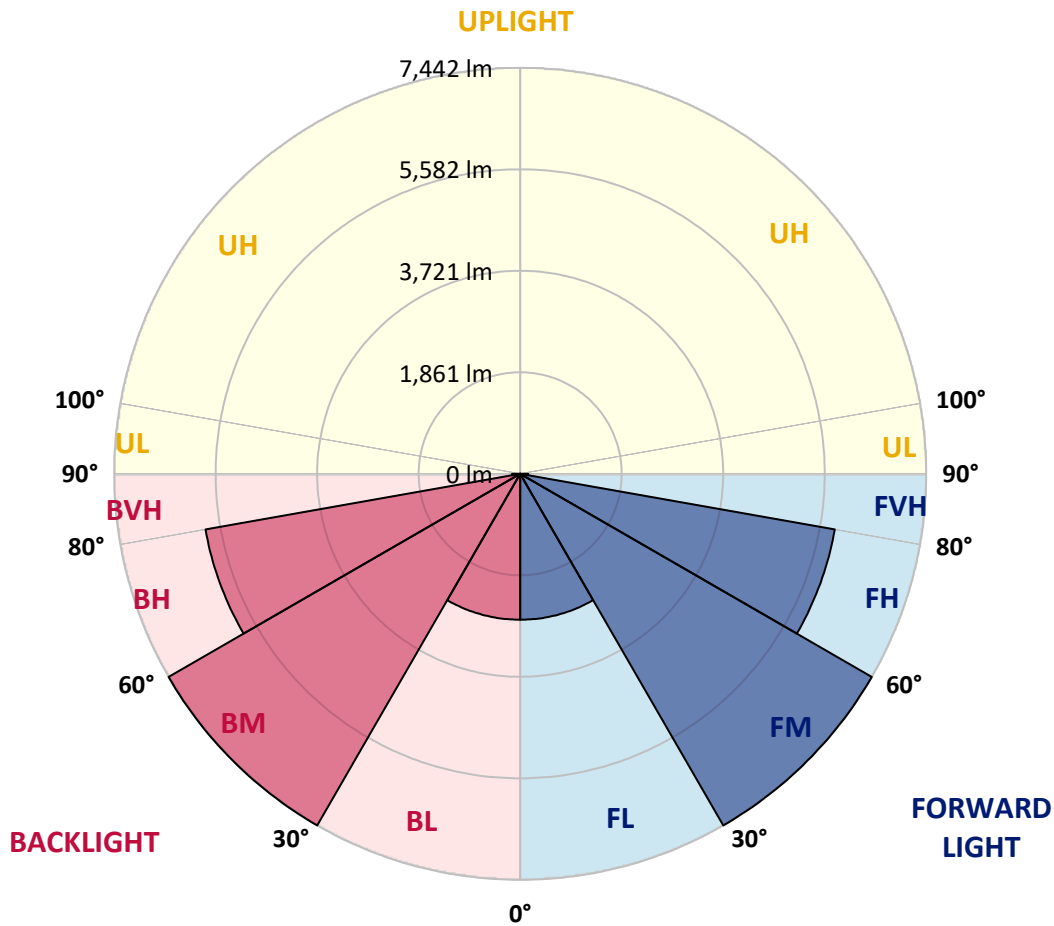
REPORT NUMBER: P943553
 CATALOG NUMBER: GALN-SB8A-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2674.4	8.3			
FM (30°-60°)	7442.4	23.1			
FH (60°-80°)	5856.9	18.2			G3/7500
FVH (80°-90°)	147.9	0.5			G2/225
BL (0°-30°)	2674.4	8.3	B4/5000		
BM (30°-60°)	7442.4	23.1	B4/8500		
BH (60°-80°)	5856.9	18.2	B5		G5
BVH (80°-90°)	147.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



REPORT NUMBER: P943553

CATALOG NUMBER: GALN-SB8A-830-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9
2.5°	6030.1	6036.9	6036.9	6031.8	6043.8	6033.5	6033.5	6028.4	6033.5	6028.4
5°	6060.9	6069.5	6072.9	6071.2	6086.6	6078.1	6078.1	6071.2	6072.9	6067.8
7.5°	6119.2	6131.2	6138.0	6146.6	6168.9	6158.6	6151.7	6131.2	6122.6	6108.9
10°	6138.0	6151.7	6174.0	6218.6	6270.0	6271.7	6251.1	6199.7	6160.3	6129.5
12.5°	6079.8	6098.6	6144.9	6235.7	6350.5	6396.8	6364.2	6278.6	6201.4	6146.6
15°	6006.1	6026.7	6096.9	6234.0	6403.6	6511.6	6508.2	6395.1	6271.7	6186.0
17.5°	5891.3	5911.8	6012.9	6204.9	6444.8	6623.0	6671.0	6554.4	6381.4	6266.6
20°	5683.9	5702.8	5843.3	6112.3	6458.5	6741.2	6866.3	6763.5	6547.6	6391.7
22.5°	5414.9	5444.0	5608.5	5953.0	6425.9	6864.6	7089.1	7018.8	6741.2	6525.3
25°	5127.0	5157.9	5349.8	5757.6	6342.0	6953.7	7353.0	7308.4	6960.6	6691.5
27.5°	4878.6	4911.1	5120.2	5564.0	6211.7	6988.0	7613.4	7635.7	7226.2	6874.9
30°	4683.2	4714.1	4936.8	5408.1	6043.8	6953.7	7841.3	7995.6	7496.9	7034.2
32.5°	4469.0	4508.4	4743.2	5217.8	5845.0	6871.5	8040.1	8384.5	7810.5	7205.6
35°	4198.3	4234.3	4481.0	4957.4	5584.6	6739.5	8206.3	8816.4	8259.5	7466.1
37.5°	3869.3	3903.5	4148.6	4631.8	5325.8	6554.4	8333.1	9303.0	8794.1	7841.3
40°	3538.5	3571.1	3800.7	4268.5	5015.6	6318.0	8377.7	9779.4	9407.6	8357.1
42.5°	3235.2	3264.4	3475.1	3910.4	4667.8	6016.4	8319.4	10194.1	9957.6	8717.0
45°	2955.9	2981.6	3168.4	3574.5	4306.2	5649.7	8144.6	10639.6	10612.2	8974.0
47.5°	2637.2	2662.9	2856.5	3248.9	3944.7	5219.6	7848.2	11078.3	11522.1	9556.6
50°	2248.2	2270.5	2469.3	2873.7	3569.4	4762.0	7436.9	11422.7	12670.2	10439.1
52.5°	1787.3	1811.3	2004.9	2409.3	3123.9	4270.2	6895.4	11647.2	13996.5	11727.7
55°	1329.7	1346.9	1514.8	1878.1	2572.1	3709.9	6216.9	11710.6	15501.0	13489.3
57.5°	964.7	975.0	1083.0	1353.7	1950.1	3009.0	5392.6	11546.1	17291.7	15747.8
60°	781.4	784.8	817.4	937.3	1355.4	2217.4	4397.0	10980.6	19234.9	18659.2
62.5°	709.4	709.4	718.0	750.5	916.8	1463.4	3192.4	9808.5	21318.6	22338.2
65°	659.7	659.7	663.2	678.6	723.1	932.2	2015.2	7899.6	23075.1	26647.9
67.5°	615.2	616.9	615.2	620.3	646.0	688.9	1168.7	5456.0	24021.0	31113.5
70°	568.9	572.3	563.8	563.8	584.3	586.0	731.7	2991.9	23236.1	34855.9
72.5°	514.1	519.2	505.5	502.1	517.5	510.6	550.1	1436.0	19949.5	35973.2
75°	466.1	472.9	442.1	433.5	433.5	428.4	447.2	736.8	12947.8	29345.0
77.5°	423.3	437.0	387.3	359.9	353.0	337.6	365.0	450.7	5663.4	13777.2
80°	349.6	368.4	318.7	286.2	274.2	257.0	287.9	315.3	1684.4	3199.3
82.5°	260.5	269.0	226.2	203.9	193.6	181.6	215.9	219.3	548.3	1132.7
85°	166.2	169.6	138.8	120.0	114.8	109.7	137.1	120.0	209.1	832.8
87.5°	58.3	66.8	53.1	48.0	51.4	42.8	63.4	36.0	58.3	587.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6024.9
6028.4
6067.8
6108.9
6124.3
6138.0
6172.3
6247.7
6362.5
6485.9
6636.7
6816.6
6950.3
7099.4
7347.8
7683.7
8189.2
8501.1
8682.7
9220.8
10017.6
11208.5
12839.8
14930.4
17629.3
20958.8
24903.4
29230.2
34360.7
37275.5
31387.6
13491.0
3063.9
1280.0
1209.8
728.3
0.0

OF REPORT)